

IN THE CLAIMS:

Please amend claim 12 as shown below, in which deleted terms are shown with strikethrough and/or double brackets, and added terms are shown with underscoring

1. (Previously presented) A welding method for welding a motorcycle fuel tank, using a plurality of opening/closing mechanisms having one or more attachments, for bringing the attachments into and out of abutting engagement with the fuel tank, comprising the steps of:

bringing the attachments into abutting engagement with the fuel tank by operating said opening/closing mechanisms, thereby holding said fuel tank; and

bringing the attachments out of abutting engagement with the fuel tank by operating said opening/closing mechanisms, in an order in which the attachments are approached by a welded spot where the fuel tank is welded, as said welded spot moves along a welding line.

2. (Previously presented) A welding method according to claim 1, wherein said attachments hold said fuel tank through resilient bodies.

3. (Previously presented) A welding method according to claim 1, wherein said fuel tank comprises:

an outer side panel having inwardly extended ends; and

an inner side panel welded to said outer side panel,

wherein said attachments hold the fuel tank while outer surfaces of the ends of said outer side panel and inner surfaces of ends of said inner side panel are superposed, or while the ends of said outer side panel and the ends of said inner side panel are in abutment against each other.

4. (Previously presented) A welding method according to claim 1, wherein said

attachments are brought out of abutting engagement with said fuel tank by said opening/closing mechanisms, when said welded spot reaches a point spaced 20 mm or less from a reference point on said welding line, which is closest to an abutment point where each of said attachments and said fuel tank abut against each other.

5. (Previously presented) A welding system for welding a motorcycle fuel tank, which has an outer side panel having inwardly extended ends and an inner side panel welded to said outer side panel, comprising:

    a plurality of opening/closing mechanisms having one or more attachments, for bringing said attachments into and out of abutting engagement with said fuel tank;

    a welding machine automatically operable for welding said fuel tank; and

    a controller connected to said opening/closing mechanisms and said welding machine, wherein said controller controls said opening/closing mechanisms to bring said attachments into abutting engagement with said fuel tank to hold said fuel tank, and thereafter, said controller determines a position of a welded spot where said fuel tank is welded by said welding machine, and the positions of said attachments, and if a relative position of said welded spot with respect to each of said attachments satisfies a predetermined standard, then said controller controls at least one of said opening/closing mechanisms to bring said attachments out of abutting engagement with said fuel tank.

6. (Previously presented) A welding jig for holding a motorcycle fuel tank when the fuel tank is welded, comprising:

    a plurality of attachments for holding said fuel tank through resilient bodies.

7. (Previously presented) A welding jig according to claim 6, wherein said attachments are mounted on respective arms, each of said arms having respective

opening/closing mechanisms; and

when said arms are fully opened, said arms are opened wide enough to allow said fuel tank to be attached and detached, and when said arms are fully closed, said arms are positioned by respective stoppers to hold said fuel tank with said attachments.

8. (Previously presented) A welding jig according to claim 6, wherein said attachments comprise pressing force adjusters for adjusting a pressing force with which said fuel tank is held.

9. (Previously presented) A welding jig according to claim 6, further comprising: an outer jig for supporting an outer side panel of said fuel tank; and an inner jig for supporting an inner side panel of said fuel tank, wherein said attachments are provided in said outer jig, and hold side portions and/or end portions of said outer side panel.

10. (Previously presented) A welding jig according to claim 9, wherein said outer side panel of said fuel tank comprises inwardly extended ends, wherein said attachments hold said fuel tank while outer surfaces of the ends of said outer side panel and inner surfaces of ends of said inner side panel are superposed, or while the ends of said outer side panel and the ends of said inner side panel are in abutment against each other.

11. (Previously presented) A welding jig according to claim 6, further comprising: a positioning mechanism for insertion into a fuel inlet defined in an upper surface of said fuel tank, and contacting an inner portion of said fuel tank to hold said fuel tank.

12. (Currently amended) A welding jig according to claim 6, wherein each of said

attachments has a distal end abutting against said fuel tank, said distal end having a tilting mechanism (68) tilttable in any direction.

13. (Previously presented) A welding method according to claim 1, wherein when a relative position of said welded spot with respect to each of said attachments satisfies a predetermined standard, then a corresponding one of said opening/closing mechanisms is operated to bring said attachment out of abutting engagement with said fuel tank.

14. (Previously presented) A welding method according to claim 1, wherein said fuel tank is a seamless fuel tank.

15. (Previously presented) A welding method according to claim 1, wherein said attachments are mounted on respective arms associated with said opening/closing mechanisms; and

when said arms are fully opened, said arms are opened wide enough to allow said fuel tank to be attached and detached, and when said arms are fully closed, said arms are positioned by respective stoppers to hold said fuel tank with said attachments.

16. (Previously presented) A welding method according to claim 1, wherein said attachments are provided in a jig for supporting an outer side panel of said fuel tank; and

said method includes the further step of inserting a positioning mechanism in a fuel inlet defined in an upper surface of said fuel tank, and contacting an inner portion of said fuel tank with the positioning mechanism to hold said fuel tank.

17. (Previously presented) A welding system according to claim 5, further comprising: an outer jig for supporting an outer side panel of said fuel tank; and

an inner jig for supporting an inner side panel of said fuel tank,  
wherein said attachments are provided in said outer jig, and hold side portions and/or end  
portions of said outer side panel.

18. (Previously presented) A welding system according to claim 17, wherein said  
outer side panel of said fuel tank comprises inwardly extended ends,  
wherein said attachments hold said fuel tank while outer surfaces of the ends of said outer  
side panel and inner surfaces of ends of said inner side panel are superposed, or while the ends  
of said outer side panel and the ends of said inner side panel are in abutment against each other.

19. (Previously presented) A welding system according to claim 5, further  
comprising:  
a positioning mechanism for insertion into a fuel inlet defined in an upper surface of said  
fuel tank, and contacting an inner portion of said fuel tank to hold said fuel tank.

20. (Previously presented) A welding system according to claim 5, wherein each of  
said attachments has a distal end abutting against said fuel tank, said distal end having a tilting  
mechanism tiltable in any direction.